

Table 3. Summary of Studies Examining the Association between VDR Genotype and Breast Cancer Cancer.

Ethnicity	Cases	Controls	Results	Comments	Reference
Japanese	60 cases. Age NR.	120 age-matched controls. Age NR.	BB/Bb 1.0 (referent) bb 3.9 (1.6, 9.3)	No exposures assessed.	103
African-American	102 cases. Age NR.	155 randomly sampled controls from cohort. Age NR.	ff/Ff 1.0 (referent) FF 0.4 (0.2, 0.7)	No exposures assessed.	26
Caucasian	88 consecutive cases recruited through radiation oncology center. 50 were newly diagnosed 38 were recurrent cases. Age NR.	167 women in an osteoporosis prevention trial in same geographic area as cases. Age NR.	BB 1.0 (referent) <i>primary cases</i> bb 0.9 (0.4, 1.8) <i>metastatic cases</i> bb 3.8 (0.9, 15.4)	No exposures assessed.	101
Caucasian	135 women previously diagnosed with BrCa and without a known family history of BrCa were recruited through a pathology department. Mean age=60 yrs (range, 31-88).	110 women without a personal or family history of any cancer were recruited from the same community. Mean age=50 yrs (range, 20-81).	AA 1.0 (referent) Aa 1.5 (0.8, 2.8) aa 2.5 (1.2, 5.4)	No exposures assessed.	99
Caucasian	111 women aged 24-36 yrs (median, 34) diagnosed with BrCa between 1980-1993.	130 female blood donors aged 19-64 yrs (median, 37).	Cases (%) Controls (%) tt 16.2 17.7 Tt 53.2 50.8 TT 30.6 31.5 P=NS	No exposures assessed. No overall association with TaqI genotype. TT genotype associated with increased risk of lymph node metastases (1.8; 95% CI: 1.3, 2.6).	102
Caucasian	951 women with BrCa identified through 2 sources: incident patients attending hospital (Mean age=53 yrs; range, 29-71); retrospectively ascertained patients identified through cancer registry (Mean age=47 yrs; range, 25-55).	627 randomly selected women from the European Prospective Investigation of Cancer (EPIC) cohort. Mean age=51 yrs (range, 40-76).	tt 1.0 (referent) Tt 1.0 (0.8, 1.2) TT 1.9 (0.8, 1.4)	No exposures assessed. Similar results for analyses stratified by recruitment source.	100

Table 3 (Cont). Summary of Studies Examining the Association between VDR Genotype or Haplotype and Breast Cancer Cancer.

Ethnicity	Cases	Controls	Results		Comments	Reference
Latina	143 women with newly diagnosed BrCa ascertained through linkage of the Hawaii LosAngeles Multi Ethnic Cohort to the SEER registry. Mean age=65 (range, 45-75).	300 women without BrCa in cohort were randomly sampled. Mean age=63 yrs (range, 45-75).	BB	1.0 (referent)	No exposures assessed. No association with FokI genotype.	98
			Bb	0.6 (0.4, 0.9)		
			bb	0.4 (0.2, 1.0)		
			LL	1.0 (referent)		
			LS	1.5 (1.0, 2.3)		
			SS	3.2 (1.5, 6.9)		

SEER, Surveillance, Epidmiology, and End Results; BrCa, breast cancer; NR, not reported.